

IN THE CLAIMS:

Please amend claims 1, 17, and 20 as follows:

1. (Currently Amended) A method of recording eccentricity correction data for position control over a recording and reproducing head on a disk-shaped recording medium having at least one user data recording area to record user data, the method comprising the step of:

~~wherein~~recording the eccentricity correction data ~~is recorded~~ in a user data recording area in the same way as handling of the user data but at a location away from the user data recording location corresponding to a yaw angle.

2. (Original) The method as claimed in claim 1, wherein the eccentricity correction data are recorded for all cylinders of the disk-shaped recording medium.

3. (Original) The method as claimed in claim 1, wherein the eccentricity correction data are recorded in only predetermined one or more cylinders of the disk-shaped recording medium.

4. (Original) The method as claimed in claim 1, wherein the eccentricity correction data are recorded as initial eccentricity correction data, and the initial eccentricity

correction data are updated as needed during an operation on the disk-shaped recording medium.

5. (Original) The method as claimed in claim 1, wherein the eccentricity correction data are recorded for each frequency component individually.

6. (Original) The method as claimed in claim 1, wherein the eccentricity correction data are recorded in one or more sectors for each cylinder.

7. (Original) The method as claimed in claim 1, wherein the eccentricity correction data are recorded for each cylinder, and the eccentricity correction data comprise at least one of eccentricity correction data on the cylinder and eccentricity correction data on a next cylinder recorded next to the cylinder in accordance with a sequential recording manner.

8. (Original) The method as claimed in claim 1, wherein the eccentricity correction data are recorded in a center area of each cylinder.

9-16. (Canceled)

17. (Currently Amended) A method of recording eccentricity correction data for position control over a recording and reproducing head on a disk-shaped recording medium having at least one user recording area to record user data, the method comprising the step of:

controlling the position of a recording and reproducing head on a disk-shaped recording medium having at least one user data recording area to record user data, wherein the position of the recording and reproducing head when writing the user data in the recording medium is controlled based on eccentricity correction data recorded in a user data recording area in the same way as handling of the user data but at a location away from the user data recording location corresponding to a yaw angle.

18. (Original) The method as claimed in claim 17, wherein the eccentricity correction data are recorded in all cylinders of the disk-shaped recording medium.

19. (Original) The disk-shaped recording medium as claimed in claim 17, wherein the eccentricity correction data are recorded in only predetermined one or more cylinders of the disk-shaped recording medium.

20. (Currently Amended) An information recording and reproducing apparatus, comprising:

a disk-shaped recording medium ~~storing the eccentricity correction data~~
~~wherein the eccentricity correction data is recorded in a~~ having at least one user data
~~recording area of the~~ to record user data, the recording medium storing eccentricity correction
data in a user data recording area of the recording medium in the same way as handling of the
user data but at a location away from the user data recording location corresponding to a yaw
angle.